

Experiences as project leader

J. Bach Andersen

A highly interdisciplinary project

Cell biology

Physics

Psychology

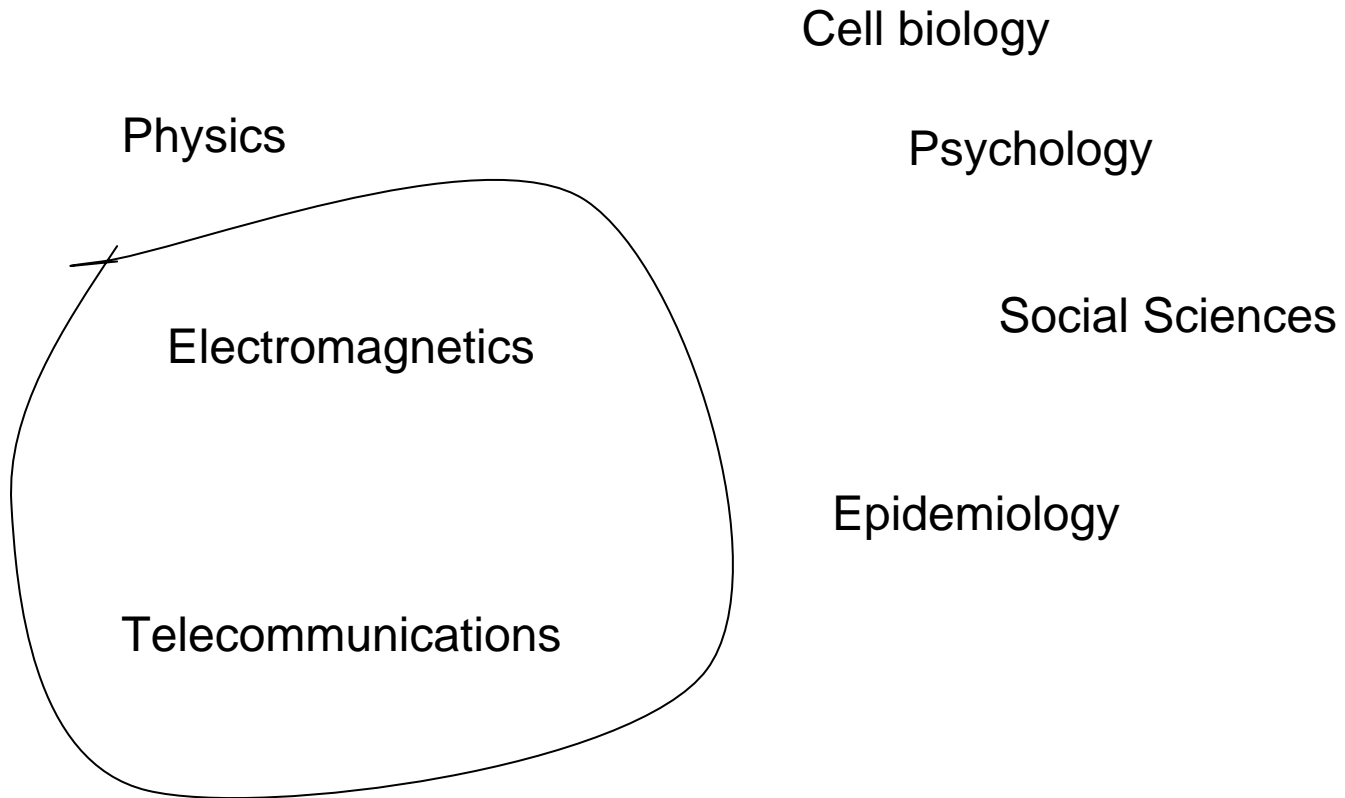
Electromagnetics

Social Sciences

Epidemiology

Telecommunications

A highly interdisciplinary project





Workshop at St. Restrup, Nibe, Sept. 2006

Project website www.mobil-straaling.dk

Administration PET Center Århus



The website will be updated when new results are available, mainly meant for Danish public.

A number of international conference presentations, mainly at
BEMS, Bioelectromagnetics Society Annual Meeting and
EBEA, European Bioelectromagnetics Society Meeting

Overview in English in German Newsletter, (June 2008)

Peer reviewed publications:

Schüz J, Johansen C. A comparison of self-reported cellular telephone use with subscriber data: agreement between the two methods and implications for risk estimation *Bioelectromagnetics* 2007; 28:130-36 (e-pub ahead of print Oct 2006)

Schüz J, Jacobsen R, Olsen JH, Boice JD Jr, McLaughlin JK, Johansen C. Cellular telephone use and cancer risk: an update of a nationwide Danish cohort. *J Natl Cancer Inst* 2006; 98: 1707-13

Schüz J, Jacobsen R, Olsen JH, Boice JD Jr, McLaughlin JK, Johansen C. Cellular telephone use and cancer risk: an update of a nationwide Danish cohort. *J Natl Cancer Inst* 2007; 99: 655-56 (Authors' reply to letter by Ahlbom A, Feychting M, Cardis E, Elliott P)

Ingunn S. Riddervold, Gert F. Pedersen, Niels T. Andersen, Anders D. Pedersen, Jørgen Bach Andersen, Robert Zachariae, Lars Mølhave, Torben Sigsgaard, and Søren K. Kjærgaard, Cognitive Function and Symptoms in Adults and Adolescents in Relation to RF Radiation From UMTS Base Stations, *Bioelectromagnetics* 29:257-267 (2008)

A. L. Buchachenko, N. N. Lukzen, J. Boiden Pedersen, On the magnetic field and isotope effects in enzymatic phosphorylation, *Chem. Phys. Lett.* (2006), doi:10.1016/j.cplett.2006.12.019

What now?



A new COST action started last week.

“Emerging EMF Technologies and Health Risk Management”

Danish scientists are welcome to join working groups

Initial focus WiFi, MRI, Electronic surveillance

Only meetings and workshops, no real project funding!

EU Work Programme 2009, Theme 6, Environment

Area 6.1.2.2 Health effects of environmental stressors other than climate change

ENV.2009.1.2.2.2 Health effects from electromagnetic fields (EMF):
improved exposure assessment to wireless communication devices.

The aim of the project will be to establish whether humans are at risk from increased exposure to electromagnetic fields from wireless networks at work, schools or homes. **Multiple exposures from several sources should be taken into account.** Exposure to different parts of the body should be estimated and potential risks to health evaluated. The project can include in vitro and in vivo investigations. The consortium should provide to interested stakeholders up-to-date scientific evidence-based risk assessment data on EMF and health and should ensure proper risk communication including risk/ benefit aspects.

Funding scheme: Collaborative Project (small- or medium scale focused research project)

Expected impacts: Improved science-based risk assessment data (exposure, effects) of EMF exposures from wireless communication devices in European populations in support of Community policies in this field.

The wireless world marches on!

GSMA Press Release 2008, April 16
3 Billion GSM Connections

Global W-CDMA Subscribers (UMTS)
[including HSPA]: 245 Millions

Mobile TV

Mobile Broadband Internet

Wireless networks

Wireless 'things', sensor networks, RFID

New modulations and power variations.